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Compugen Ltd.
5.1.6
version - 2004
GenCore
(c) 1993
         Copyright
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protein search, using sw model OM protein 26, April Run on:

2004, 14:48:54; Search time 23 Seconds (without alignments) 2062.794 Million cell updates/sec

US-10-063-579-70 Title

1 MGLFRGFVFLLVLCLLHQSN...... 4791 Perfect score: Sequence:

..LVLSVIGSVVIVNFILSTTI

Gapop 10.0 , Gapext 0.5 **BLOSUM62** Scoring table:

389414 segs, 51625971 residues Searched:

389414 of hits satisfying chosen parameters: number Total

2000000000 Minimum DB seq length: Maximum DB seq length: Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

## SUMMARIES

cript	Sequence 41, Appl Sequence 28, Appl Sequence 2, Appli Sequence 18, Appl Sequence 18, Appl Sequence 12, Appl Sequence 30, Appl Sequence 11, Appl Sequence 161, Appl Sequence 357, Appl Sequence 357, Appl Sequence 357, Appl Sequence 357, Appl Sequence 170, Appl Sequence 169, Appl Appl Sequence 169, Appl Appl Appl Appl Appl Appl Appl App
OI	US-09-049-698-41 US-09-049-698-41 US-09-623-624-6 US-09-623-624-2 US-09-193-562D-46 US-09-193-562D-2 US-09-193-562D-2 US-09-193-562D-11 US-09-193-562D-12 US-09-193-562D-12 US-09-193-562D-12 US-09-193-562D-12 US-09-193-562D-12 US-09-643-597-161 US-09-643-597-161 US-09-643-597-161 US-09-643-597-161 US-09-643-597-161 US-09-643-597-170 US-09-643-597-170 US-09-643-597-170 US-09-643-597-170 US-09-643-597-170 US-09-643-597-169 US-09-643-597-169 US-09-643-597-169 US-09-643-597-169 US-09-643-597-169
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1	ace 169,	equence 13, App	equence 9, Appl	, Appl	equence 9, Appl	equence 3, Appl	equence 45, App	equence 3, Appl	equence 3, Appl	equence 3, Appl	Appl	equence 43, App	equence 5, Appl	equence 5, Appl	equence 5, Appl	, Appl	, Appl	ద
	-606-421B-	-193-562D-1	US-08-469-667-9	US-09-224-110-9	PCT-US95-07289-9	US-09-193-562D-3	-049-69	US-08-296-791-3		US-10-080-505-3	PCT-US95-10661A-3	US-09-049-698-43	US-08-296-791-5	US-09-839-996-5	US-10-080-505-5	PCT-US95-10661A-5	US-08-169-927-2	US-09-136-574A-43
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## ALIGNMENTS

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STEPHEN D.
REAGENTS AND METHODS FOR THE
USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
                                                                                                                                                                                       APPLICANT: HAYDEN, MARK
APPLICANT: KLASS, MICHAEL R.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS FOR
TITLE OF INVENTION: TRACT
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COMPATIBLE
OPERATING SYSTEM: DOS
SOFTWARE: FASTESO for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/049,698
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/828,856
FILING DATE: 31-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6068.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/938-2623
                                                                                                   BILLING-MEDEL, PATRICIA A. COHEN, MAURICE COLPITTS, TRACEY L. FRIEDMAN, PAULA N.
             US-09-049-698-41
; Sequence 41, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA;
; APPLICANT: COHEN, MAURICE;
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
                                                                                                                                                             FRIEDMAN, PAULA N.
HAYDEN, MARK
KLASS, MICHAEL R.
ROBERTS-RAPP, LISA
RUSSELL, JOHN C.
STROUPE, STEPHEN D.
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E CHARACTERISTICS:

1: 917 amino acids

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            VYSRYFTAYTENGRYSLKVRAHGGANTARLKLRPPLNRAAYIPGWVVNGEIEANPPRPEI
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300 LQIGQRIVCLVLDKSGSMATGNRLNRLNQAGQLFLLQTVELGSWVGMVTFDSAAHVQSEL
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                                                                          APPLICANT: Pauli, Benedicht U.
TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules FILE REFERENCE: 18617.0052
CURRENT APPLICATION NUMBER: US/09/193,562D
CURRENT FILING DATE: 1998-11-17
PRIOR APPLICATION NUMBER: US/60/065,922
PRIOR FILING DATE: 1997-11-17
NUMBER OF SEQ ID NOS: 47
                                                                                                                                                                                                                                                                                                                                          914;
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                            Sequence 28, Application US/09193562D Patent No. 6309857
                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                             Local Similarity
nes 563; Conser
                                                Patent No. 6309857
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                           -09-193-562D-28
RESULT 2
US-09-193-562D-28
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GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd
                      Copyright
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- protein search, using sw model OM protein 26, 2004, 14:43:13 ; Search time 50 Seconds (without alignments) 5799.225 Million cell updates/sec April Run on:

US-10-063-579-70

1 MGLFRGFVFLLVLCLLHQSN.....LVLSVIGSVVIVNFILSTTI 4791 Perfect score: Sequence: Title:

919

Gapop 10.0 , Gapext 0.5 **BLOSUM62** Scoring table:

1017041 seqs, 315518202 residues Searched:

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

SPTREMBL Database

sp\_plant:\*
sp\_rodent:\*
sp\_virus:\*
sp\_vertebrate:\*
sp\_unclassified:\*
sp\_rvirus:\*
sp\_rvirus:\*
sp\_bacteriap:\* sp\_archea:\*
sp\_archea:\*
sp\_bacteria:\*
sp\_fungi:\*
sp\_human:\*
sp\_invertebrate:\*
sp\_mammal:\*
sp\_mhc:\*
sp\_organelle:\*
sp\_organelle:\*  Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Description	E7	5 hor	51 hor	5 hor	3m	Obd7z6 mus musculu	Buns	Q9nxp1 homo sapien	mus	Q9eqr4 mus musculu	018741 bos taurus	Q9r070 mus musculu	Q9qx15 mus musculu	Q8c324 mus musculu	Q8ccm1 mus musculu	O88860 mus musculu
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## ALIGNMENTS

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Gaps
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MEDLINE=99364503; PubMed=10437792;

MEDLINE=99364503; PubMed=10437792;

Agnel M., Vermat T., Culouscou J.M.;

"Identification of three novel members of the calcium-dependent chloride channel (CaCC) family predominantly expressed in the digestive tract and trachea.";

FEBS Lett. 455:295-301(1999).

REBL; AF127035; AAD48398.1; -.

Go, GO:0005887; C:integral to plasma membrane; TAS.

GO; GO:0006810; P:transport; TAS.

InterPro; IPR004727; CaCC_prot1.

InterPro; IPR002035; VWF_A.
                                                                                                                                                                                                           Craniata; Vertebrata; Euteleostomi;
Catarrhini; Hominidae; Homo.
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                                                        O9UNF7;
01-MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation updat
Calcium-activated chloride channel protein 2.
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Pred. No. 2.1e-295;
0; Mismatches 1;
                                   917 AA
                                       PRT;
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; 101153 MW;
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SMART; SM00327; VWA; 1.
TIGRFAMS; TIGR00868; hCaCC; 1.
PROSITE; PS50234; VWFA; 1.
SEQUENCE 917 AA; 101153 MW:
                                                                                                                                                                                            Homo sapiens (Human).
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
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                                                                      NKDVNSFPSPMIVYAEILQGYVPVLGANVTAFIESQNGHTEVLELLDNGAGAD.
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endent chloride channel-1.

CG Q9UPC6 Q9UPC6; 01-MAY-2000 (Tr. 01-MAY-2000 (TrEMBL 01-JUN-2003 (TrEMBL) Calcium-dependent c

RESULT 2 Q9UPC6

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ESQUENCE FROM N.A.

MEDLINE=99047526; PubMed=9828122;
Gruber A.D., Elble R.C., Ji H.L., Schreur K.D., Fuller C.M.,
Gruber A.D., Elble R.C., Ji H.L., Schreur K.D., Fuller C.M.,
Pauli B.U.;
Gromic cloning, molecular characterization, and functional analysis
of human CLCA1, the first human member of the family of Ca2+-activated
Cl-channel proteins.";
Genomics 54:200-214(1998).
EMBL; AF039401; AAC95429.1; -
Genomics 54:200-214(1998).
GO: GO:0016021; C:integral to membrane; IEA.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0016921; P:chloride transport; IEA.
GO; GO:0015992; P:proton transport; IEA.
GO; GO:001592; P:proton transport; IEA.
InterPro; IPR004727; CaCC prot1.
InterPro; IPR004727; CaCC prot1.
InterPro; IPR00402035; VWF A.
Fiam; PF00092; VWA: 1.
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             Craniata; Vertebrata; Euteleostomi
Catarrhini; Hominidae; Homo.
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TIGRFAMS; TIGR00868; hCaCC; 1.
PROSITE; PS00153; ATPASE GAMMA;
PROSITE; PS50234; VWFA; 1.
SEQUENCE 914 AA; 100160 MW;
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Homo sapiens (Human).
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
NCBI_TaxID=9606;
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US-09-193-562D-33
US-09-193-562D-33
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RESULT 1
US-09-049-698-16
Squence 16, Application US/09049698
Squence 16, Application US/09049698
Squence 16, Application US/09049698
Squence 16, Application US/09049698
GGRERAL INFORMATION:
APPLICANT: COHEN, MAURICE
APPLICANT: COHEN, MARK
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: FROBERS: ARCEY
APPLICANT: FROUDE, STEPHEN D.
APPLICANT: RUSSELL, JOHN C.
APPLICANT: RACATER AND METHODS FOR THE
TITLE OF INVENTION: TRACT
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSES: Abdort Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STREET: 100 Abbott Park Road
CITY: Abbott Park
STREET: LOS ABORTELLE FORM:
MEDIUM TYPE: Diskete
COMPUTER: READABLE FORM:
MEDIUM TYPE: Diskete
COMPUTER: READABLE FORM:
MEDIUM TYPE: CONFOUNDER: BASES
OFFTWARE: FRANCES FRANCES
OFFTWARE: FRANCES FRANCES
OFFTWARE: FRANCES FRANCES
PRING SYSTEM:
APPLICATION NUMBER: US/09/049,698
FILING DATE:
CLASSIFICANTION DATA:
APPLICATION NUMBER: US/09/049,698
FILING DATE:
CLASSIFICANTION NATA:
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Matches:
Conservative:
Mismatches:
Indels:
Gaps:
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FILING DATE: 31-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6068.US.Pl
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LysLysGlnAsnGluTyrGlyP
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                                                                                         CHARACTERISTICS:
1: 3043 base pairs
nucleic acid
DEDNESS: single
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Best Local Similarity:
                                                                                                                     STRANDEDNESS
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TOPOLOGY:
US-09-049-698-16
                                                                                                     LENGTH:
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FRIEDMAN,
    APPLICANT: HAYDEN, M
APPLICANT: KLASS, MI
APPLICANT: ROBERTS-R
APPLICANT: STROUPE,
TITLE OF INVENTION:
TITLE OF INVENTION:
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Best Local Similarity:
Query Match:
DB:
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CLASSIFICATION:
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ZIP: 600
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Sequence 18, Application US/09049698
Patent No. 6368792
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
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       KLASS, MICHAEL A.:
ROBERTS-RAPP, LISA
RUSSELL, JOHN C.:
STROUPE, STEPHEN D.
INVENTION: REAGENTS AND METHODS FOR THE
INVENTION: USEFUL FOR DETECTING DISEASES OF TH
INVENTION: TRACT
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Mismatches:
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APPLICATION NUMBER: US/00/01
FILING DATE:
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Gaps:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/828,856
FILING DATE: 31-MAR-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                  SEE: Abbott Laboratories
1: 100 Abbott Park Road
Abbott Park
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NÚMBER: 6068
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
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HAYDEN, MARK
KLASS, MICHAEL
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LENGTH: 3181 base pair:
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                          TITLE OF INVENTION: TRAC
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Labor
STREET: 100 Abbott Pai
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                          ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
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	121	PheThrGluCysGlyGluLysGlyGluTyrIleHisPheThrProAspLeuLeuGly 140 	
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	201	GlnGlyGlySerCysLeuSerArgAlaCysArgIleAspSerThrThrLysLeuTyrGly 220 	
	221	LysaspCysGlnPhePheProAspLysValGlnThrGluLysAlaSerIleMetPheMet 240 	
	241	GlnserIleAspSerValValGluPheCysAsnGluLysThrHisAsnGlnGluAlaPro 260 	
	261	SerLeuGlnasnileLysCysAsnPheArgSerThrTrpGluValileSerAsnSerGlu 280 	
	281	AspPheLysAsnThrIleProMetValThrProProProProProValPheSerLeuLeu 300 	
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	321	AspargleuasnargmetasnglnalaalalyshisPheleuleuGlnThrValGluasn 340 	
·	341	GlyserTrpValGlyMetValHisPheAspSerThrAlaThrIleValAsnLysLeuIle 360 	
	361	GINIIeLysSerSerAspGluArgAsnThrLeuMetAlaGlyLeuProThrTyrProLeu 380 	
	381	GlyGlyThrSerIleCysSerGlyIleLysTyrAlaPheGlnValIleGlyGluLeuHis 400 	
	401	SerginLeuaspglySergluValLeuLeuLeuThraspglygluAspAsnThrAlaSer 420 	
	421	SerCysIleAspGluValLysGlnSerGlyAlaIleValHisPheIleAlaLeuGlyArg 440 	
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Patent No. 6309857
GENERAL INFORMATION:
APPLICANT: Pauli, Benedicht U.
TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecule
FILE REFERENCE: 18617.0052
CURRENT APPLICATION NUMBER: US/09/193,562D
CURRENT FILING DATE: 1998-11-17
PRIOR APPLICATION NUMBER: US/60/065,922
PRIOR FILING DATE: 1997-11-17
NUMBER OF SEQ ID NOS: 47
AlaGlnValThrLeuPheIleProGlnAlaAsnProAspAspIleAspProTh.
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Best Local Similarity:
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Pred. No.:
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SNGTH: 3007
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